JVC

SERVICE MANUAL

STEREO CASSETTE DECK

MODEL TD-X501 A/B/C/E/G/J/U



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Safety Precautions

- The design of this product contains special hardware. Many circuits and components specially for safety purposes.
 - For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Repacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by (Δ) on the schematics and parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature part, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
 - When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after re-assembling.
- 5. Leakage current check
 - (Safety for electrical shock hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

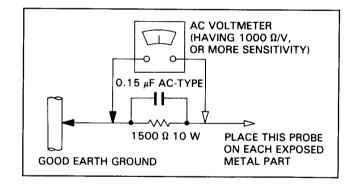
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- · Alternate check method.

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.)

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).

This corresponds to 0.5 mA AC (r.m.s.).



Features

- 1. FLIP REVERSE SYSTEM
 - Rotary combination for recording/playback (SA) and erase head.
 - Quick reverse mechanism using infrared sensor.
- 2. 2-motor full logic mechanism
 - · Exclusive motor for mechanism drive.
 - Silent mechanism.
- 3. DOLBY* B-C NR (Noise Reduction) system
- 4. 2-color FL peak level meter with digital peak indicator
 - · Peak hold facility.
 - Call button.
- 5. Computer shift control system
 - BLANK SKIP
 - INDEX SCAN
 - •REW AUTO PLAY
 - •BLANK SEARCH

- 6. Microcomputer-controlled mechanism
 - Auto REC MUTE facility
 - Mechanism mode indicators
- 7. Single music scan mechanism for either direction "Under license from Staar S.A., Brussels Belgium."
- 8. SYNCHRO Terminal facility
- *Noise reduction system manufactured under license from DOLBY Laboratories Licensing Corporation.
- *"DOLBY" and the double-D symbol are trademarks of **DOLBY Laboratories Licensing Corporation.**

Specifications

Type Track system : Stereo cassette deck : 4-track, 2-channel

Tape speed

: 4.8 cm/sec (1-7/8 inch/sec)

Frequency response

: (-20 dB recording)

Metal tape:

 $30-16,000 \text{ Hz } (\pm 3 \text{ dB})$

20-17,000 Hz CrO₂ tape:

30-16,000 Hz (±3 dB)

20-17,000 Hz Normal tape:

30-15,000 Hz (±3 dB)

20-16,000 Hz (O dB recording) Metal tape:

30-12,500 Hz (±3 dB)

CrO₂ tape:

30-8,000 Hz (±3 dB)

Normal tape:

30-8,000 Hz (±3 dB) : 58 dB (S = 1 kHz, K3 = 3%,

N = A-weighted, Metal tape) The S/N is improved by about 15 dB at 500 Hz and by max. 20 dB at 1 kHz ~ 10 kHz with DOLBY C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with DOLBY B

NR on.

Improvement of MOL

4 dB at 10 kHz with DOLBY C

NR on.

Wow and flutter (Forward direction) : 0.06% (WRMS) 0.17% (DIN 45 500)

Crosstalk

S/N ratio

: 55 dB (1 kHz)

Harmonic distortion

: K3; 0.5% THD; 1.0% (Metal tape, 1 kHz 0 dB)

Channel separation : 40 dB (1 kHz) Motor

Heads

: SA head (for record/playback)/ 2-Gap ferrite head (for erasing)

combination head ×1

: Electric governed DC motor (for capstan and reel) × 1 DC Motor (for FF & Rewind) × 1

DC Motor (for Mechanical

 $drive) \times 1$

Fast wind time

: Approx. 95 sec. with C-60

cassette

Input terminals

 $MIC \times 2$

: Max. sensitivity; 0.4 mV

(-68 dBV)

Matching impedance; $600~\Omega - 10~k\Omega$

LINE IN×2

: Min. input level; 80 mV Input impedance; 50 k Ω

Output terminals

LINE OUT × 2

: Output level; 300 mV Output impedance; 5 kΩ

PHONES × 1

: Output level; 0.3 mW/8 Ω Matching impedance; 8 Ω – 1 $k\Omega$

Other terminals SYNCHRO × 2

Power requirement

: AC 240 V, 50/60 Hz TD-X501 A/B TD-X501 E/G : AC 220 V, 50/60 Hz TD-X501 C/J : AC 120 V, 60 Hz

: AC 230/127/110 V, 50/60 Hz TD-X501 U : 12 W

Power consumption

Dimensions

: 435 mm (17-1/8") W

109 mm (4-3/8") H 229 mm (9") D

(with feet, buttons, switches)

Weight : Approx. 3.9 kg (8.6 lbs)

Design and specifications are subject to change without notice.

Names of Parts and Their Functions

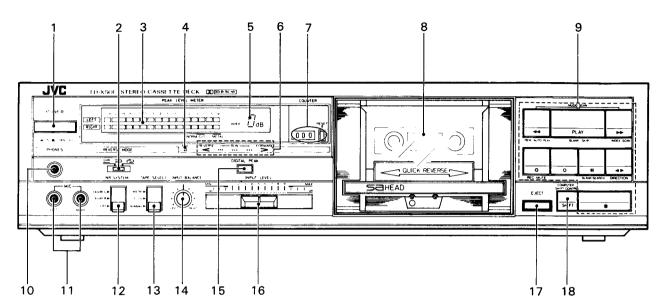


Fig. 1

1. POWER switch

2. REVERSE MODE switch

Select a single of full record/playback mode, or continuous play mode.

- 🖒 : To play continuously sides A and B.
- \supset : To fully paly or record sides A and B.
- = : For a single-side recording or playback.

3. PEAK LEVEL METER

This indicates the record input level when recording and recorded signal level on the tape when playing back. This meter holds the peak level about 2 seconds.

4. REC indicator

Lights in the recording and record-pause modes; flashes during the record muting operation.

5. DIGITAL PEAK indicator

This is interlocked with the PEAK LEVEL meters and gives a direct digital readout of the peak recording input or playback level.

6. Mechanism mode indicators

- Direction (REVERSE </FORWARD>)
- Tape RUN (the center indicator lights during the pause mode).

7. TAPE COUNTER and RESET button

8. Cassette holder

9. Cassette operation buttons

◄ (rewind):

Press to wind the tape quickly from right to left. Press this and the PLAY button for music scanning.

PLAY:

Press to play back tape. Also press to record or music scan.

►► (fast forward):

Press to wind the tape quickly from left to right. Press this and the PLAY button for music scanning.

O REC MUTE:

Press to make about a 4 - 5-second nonrecorded section between tunes.

O (record):

Press this button together with the PLAY button when recording.

II (pause):

Press to stop the tape temporarily. To release the pause mode press the PLAY button.

■ DIRECTION

Press to change the direction of tape travel. The direction is shown by the indicator (\blacktriangleleft or \blacktriangleright).

(stop):

Press to stop the tape.

10. PHONES jack

Connect headphones (with an impedance of 8 Ω – 1 k Ω).

11. MIC jacks (L, R)

Connect microphones (with an impedance of 600 Ω to 10 $k\Omega)$ to these jacks.

With microphones connected to these jacks, the input to LINE IN (REC) or DIN for G version terminals is cut off automatically.

12. NR SYSTEM switch

13. TAPE SELECT switch

Select the switch position according to the tape to be used during recording and playback.

14. INPUT BALANCE control

Adjust the balance between the left and right channels of recording input levels. The center click position is the standard position.

15. DIGITAL PEAK button

Press to call up the stored peak level. When this button is pressed again while the DIGITAL PEAK indicator is flickering, the new value is reset in the indicator and it is held in memory.

16. INPUT LEVEL control

This controls the right and left channel recording input levels simultaneously. dB indications are provided between 4 and 9 for approximate level compensation of the DIGITAL PEAK indicator.

17. EJECT button

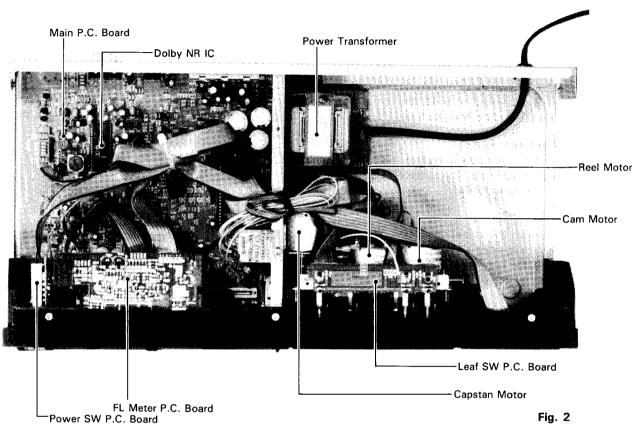
Press to open the cassette holder.

18. SHIFT button

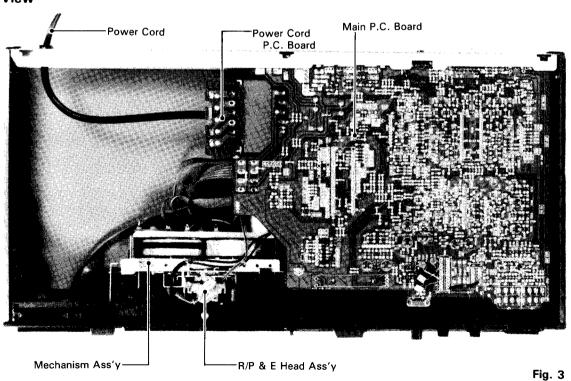
Use when the computer shift control system (i.e. blank skip, index scan, rewind auto play or blank search function) is operating.

Location of Main Parts

Top View



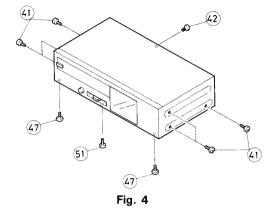
Bottom View



Removal of Main Parts

■ Cabinet Section

- 1. Top cover and bottom covers
 - 1) Remove six screws (41) on both the sides.
 - 2) Remove one screw (42) from the back.
 - 3) Remove three screws 47 and 51 from the bottom cover.
 - 4) Remove three hooks from the rear panel.



2. Mechanism Ass'y

(When removing the mehcnaism from the set)

- 1) Remove four screws (56) fixing the mechanism.
- 2) Open the cassette door and remove the mechanism. Remove the counter belt 64 from the tape counter.

3. Front Panel

- 1) Remove four screws 20 fixing the front panel.
- 2) Pull out the balance knob (37) out.
- 3) Remove the front panel together with mecha button board and digital peak button board from the front plate.

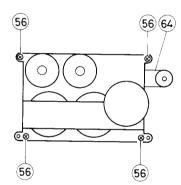


Fig. 5

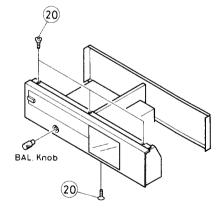


Fig. 6

4. FL Board Ass'y

- 1) Remove the front panel.
- 2) Remove the FL Board Ass'y by pulling it front side.

5. Rear Panel

- 1) Remove the top and bottom covers.
- 2) Remove six screws (8), (9), (10) fixing the rear panel.

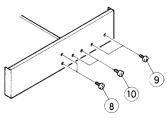


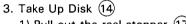
Fig. 7

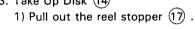
■ Mechanism Section

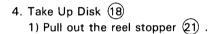
- 1. R/P & E Head Ass'y
 - 1) Remove two screws 62 from the head mount base.
 - 2) Remove two screws 67 fastening R/P & E Head



1) Pull out the pinch roller (72) and (76).







- 5 Capstan Motor 36
 - 1) Remove two screws 39 fastening FM Bracket.
 - 2) Pull out the capstan belt (50) and motor pulley.
- 6. Reel Motor 25
 - 1) Remove two screws (29), (41).
 - 2) Pull out the gear (1) and arm.
- 7. Cam Motor 22
 - 1) Remove two screws (24), (40).
 - 2) Pull out the motor gear.
- 8. Disk Base Ass'y
 - 1) Disassembly reel and cam motor.
 - 2) Remove one screw (31).

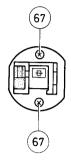
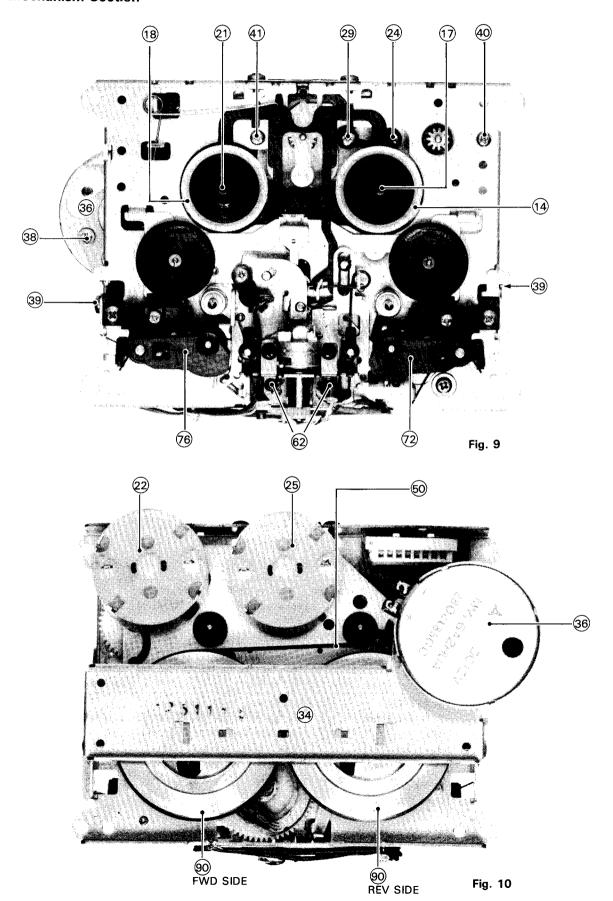


Fig. 8

■ Mechanism Section



Main Adjustment

Items	Tape to be used/jig	Standard	Adjustment and checking method	Adjusting points
Tape transport adjustment	M300 gauge and C-90 tape	The tape should not be curled or stretched during travel.	, ,	below. (Apply screw locking com-
		Note: Normally, the tape travel can only be adjusted at tape guide. However, when this adjustment is not sufficient, adjust the cassette guide height.	- -	guide strment Gauge
2. Tape speed adjustment and wow and flutter checking	Test tape VTT712 (3 kHz)	Within 3,000 Hz±15 Hz, 0.11% (WRMS)	Perform the tape speed adjust- ment at the tape end in the FWD side. Check the wow and flutter at the beginning and end of the tape both FWD and REV sides.	l .
3. Azimuth adjustment (1)	Test tape TMT702 (14 kHz)	Phase deviation should not occur when the output is maximum.	Adjust the FWD side and then the REV side.	FWD side REV side
4. Checking the rewind torque	CTG-N for the torque measure- ment or torque dial	35~75 g·cm during the PLAY mode 70~200 g·cm during the FF/REW mode	These standards should be satisfactory for both FWD/REV sides.	
5. Pinchroller pressure	Tension gauge	350~500 g	This standard should be satisfactory for both FWD and REV sides.	Pull it to the vertical direction when the pinch roller rotation stops.
6. Head position	M300 gauge	PLAY/REC: 3.1 ~ 3.65 mm MS: 4.4 ~ 5.1 mm	Check that the standards should be in the specified range on the left and top of all parts do not hit the cassette.	
7. Fast wind time	C-60 cassette	FF/REW: Less than 95 sec.		

Adjustment and Checking

• NR switch: OFF

TAPE switch: Normally set to NORMALMeasuring position: Normally LINE OUT

• Minimum input level MIC: -66 dBs (Ref. level) LINE IN: -20 dBs

Items	Tape to be used	Standards	Adjustment and checking method	Adjusting points
Playback level adjustment	VTT724 (1 kHz)	-8 dBs	Adjust in the FWD direction and check in the REV direction. The playback level should be $-8~\mathrm{dBs}$ $\pm 1~\mathrm{dB}$ with L and R deviations of 1 dB.	Bus wire cut for L CH B159 +1 dB B1601 dB R CH B157 +1 dB B1581 dB
Playback equalizer adjustment	VTT739 (63 Hz, 1 kHz, 10 kHz)	The deviation of 1 kHz/10 kHz should be 0~0.5 dB.	Perform adjustment in the FWD direction.	VR101 201
3. Bias frequency adjustment		81 kHz±1 kHz	Set the unit to the FWD mode and measure at pin 9 of CP901 with the tape select switch set to the METAL position. (Dummy resistor should be 1.2 M Ω or more.)	L901
4. Record/play frequency response adjustment	TS-9 (Normal) TS-6 (Chrome) TS-7 (Metal)	Adjust to +0.5 dB ±0.5 dB at the FWD side. Check that it is +0.5 dB ±2 dB. Check that it is +0.5 dB	Adjust by recording and playing back 1.25 kHz and 12.5 kHz signals with the reference level of -20 dB input. (Adjust the balance control so that the L and R input level differences are 0.)	VR103, 203
5. Recording level adjustment	TS-9 (Normal)	±2 dB8 dBs±1 dB	Adjust by recording and playing back the reference level of 1 kHz in the FWD mode. Check that the recording level of chrome tape is -8 dBs \pm 1.5 dB. Check that the recording level of metal tape is -8 dBs \pm 2 dB. The L and R level differences should be 1.5 dB or less.	Bus wire cut for L CH B61 +1 dB B621 dB R CH B60 +1 dB B591 dB
6. FL meter adjustment	TS-9 (Normal)	_ 20 dB should light.	Adjust the input level so that 1 kHz LINE OUT signal becomes the reference level of -20 dB (-28 dBs) and -20 dB in the FL meter light or the FL meter goes out at -29 dBs. OdB should light between -9 dBs and -8 dBs.	VR301 401
7. Checking the record/ play distortion	TS-9 TS-6 TS-7	Normal: Less than 2% Chrome: Less than 3% Metal: Less than 2% (THD)	Measure by recording and playing back the reference level of 1 kHz.	
8. Checking record/play S/N ratio	TS-9 (Normal)	42 dB or more	Apply the reference level of 1 kHz and non-signal level to the MIC jacks and measure the difference by recording and playing back.	

Items	Tape to be used	Standards		and checking thod	Adjusting points
9. Azimuth adjustment (2)	Test tape TMT702 (14 kHz) TS-9 (Normal)	Minimum phase dif- ference and maximum output	just the left screw to put position with no Check the level difference and playing back the 12.5 kHz, -20 dB Next, rewind the position and turn the it in the REV modescrew so that the lin the FWD mode.	FWD mode and ado the maximum out- to phase difference. It reference level of the tape to the original the tape over to play le. Adjust the right evel is the same as and STOP operations	Head azimuth adjust ment screw
10. Checking REV response	TS-9 (Normal)	+ 0.5 dB ±3 dB at 1.25 kHz/12.5 kHz	recorded and player mode, the REV re + 0.5 dB ± 3 dB signal is recorded a REV response s	2.5 kHz signal is ed back in the REV esponse should be and when 1 kHz nd played back, the should be within spect to the FWD	
11. Checking the auto stop	Cassette tape (general)	Auto stop should be performed within 5 sec.	FF/REW modes who	veen the Hall IC and	
12. Checking the music scan operation	Test tape TMT6447 (700 Hz) TMM6448 (700 Hz)		mode after music so reaches its near en Check that the mus	enters the playback can when TMT6447 id. iic scan operation is en the beginning of	
13. Checking the MPX filter response		30 dB or more	putting a 19 kHz	UT output when insignal with the re- NR switch set to ON	
14. Checking DOLBY NR	DOLBY B NR	Test point Pin 7 36 of	Frequency and input level	Output value and deviation	Make connections after first removing soldering
response at Encode		IC902	1 kHz Cal - 40 dB	+5.7 dB ±2 dB	for the BIAS CUT, stop-
(REC)		Measuring reference level 400 Hz, -6 dBs (=Cal level)	5 kHz Cal - 20 dB 1 kHz Cal	+3.5 dB ±1.5 dB 0 dB +0.5 dB -1.0	ping oscillation and mak- ing measurements.
	DOLBY C NR	-	1 kHz Cal - 40 dB		
			5 kHz Cal – 20 dB		
			1 kHz Cal	0 dB ± 1 dB	

■ Equipment and Measuring Instruments used for Adjustment

1. Electrical adjustment

- 1) Electronic voltmeter
- 2) Audio frequency oscillator (range: 50 Hz-20 kHz and output 0 dB with impedance 600 Ω)
- 3) Attenuator

2. Mechanical adjustment

Torque testing cassette gauge

Notes: TS-9 is used for recording/playback with normal tape with TD-X501. TS-9 is not compatible with TS-5.

■ Location of Adjustment Parts

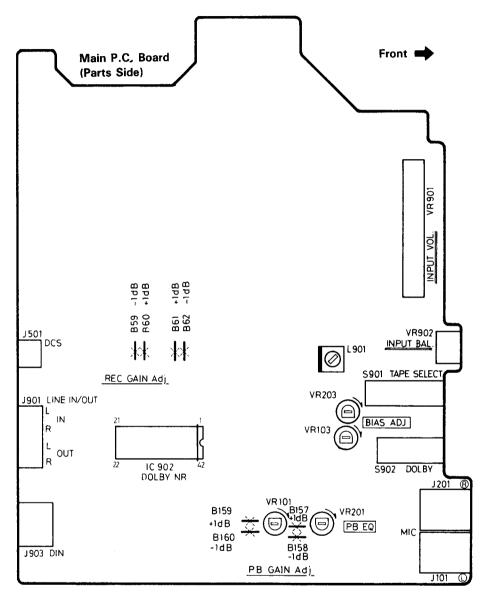


Fig. 11

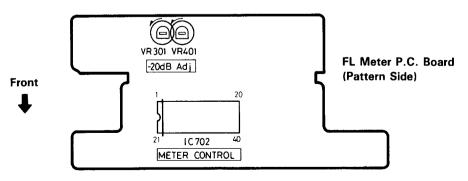


Fig. 12

IC Function Explanation

Meter Section
Digital peak block diagram

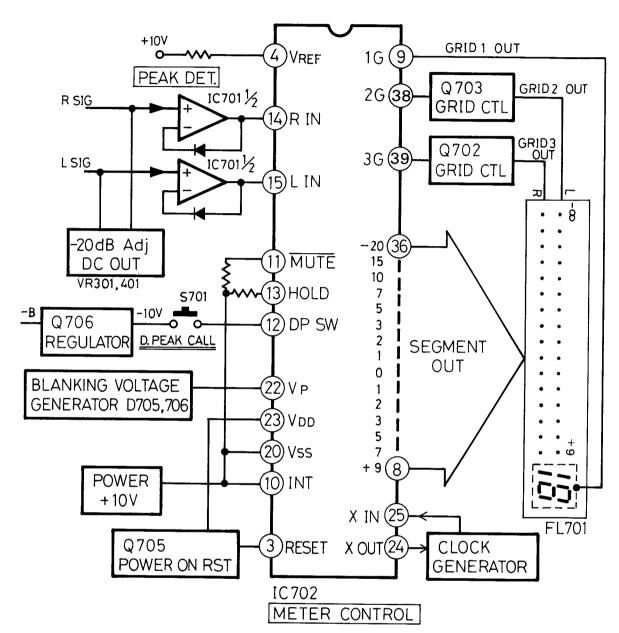


Fig. 13

Digital peak CPU pin function chart

Pin No.	Pin Name	Fur	nction
1	NC	Not used.	
2	NC	Not used.	
3	RST	Power ON Reset input.	RESET at "'H" level.
			START at "L" level.
4	VREF	Reference voltage input pin.	
5	+ 3	+3 segment output.	Lights at "H" level.
6	+ 5	+ 5 segment output.	Lights at "H" level.
7	+ 7	+7 segment output.	Lights at "H" level.
8	+9	+9 segment output.	Lights at "H" level.
9	1G	DIGITAL PEAK section grid select output.	Lights at "H" level.
10	INT	Interrupt input pin.	Pulled UP at "H" level because not used.
11	MUTE	DISPLAY MUTE Input pin.	Display at "H" level. Blank at "H" level.
12	DPSW	DIGITAL PEAK CALL SW input pin.	
		MAX VALUE CALL at "L" level inpu	ıt.
		Displays the PEAK reset when "L" i	s input again during the MAX VALUE display.
13	HOLD	PEAK HOLD ON/OFF input.	
		HOLD OFF at "H' level.	
		HOLD ON at "L" level.	
14	RIN	R CH Peak rectified voltage input pin.	
		Displays by comparating between th	e A/D converted analog voltage at this pin
		and reference voltage.	
15	LIN	L CH Peak rectified voltage input pin.	
		Displays by comparating between th	e A/D converted analog voltage at this pin
		and reference voltage.	
16	NC	Not used.	
17	NC	Not used.	
18	CN Vss		
19	CN Vss	+ 10 V connection pin.	
20	Vss)	
21	NC	Not used.	
22	VP	Segment OFF voltage input pin. (Pulled dow	n "L" level for segment output.)
23	VDD	+ 20 V (reference) - 10 V (equivalent to G	iND of IC.)
24	X OUT	Clock connection pin.	
25	X IN	Clock input pin.	
26	– 1	-1 & h segment output	Lights at "H" level.
27	- 2	-2 & g segment output.	Lights at "B" level.
28	-3	-3 & f segment output.	Lights at "H" level.
29	- 5	-5 & e segment output.	Lights at "H" level.
30	0	0 & under segment output.	Lights at "H" level.
31	+ 1	+1 & over segment output.	Lights at "H" level.
32	+ 2	+ 2 segment output.	Lights at "H" level.
33	-7	-7 & d segment output.	Lights at "H" level.
34	– 10	- 10 & c segment output.	Lights at "H" level.
35	– 15	- 15 & b segment output	Lights at "H" level.
36	– 20	- 20 & a segment output.	Lights at "H" level.
37	NC	Not used.	
38	2G	Grid select output for the L CH and each dis	splay letter.
			Lights at "H" level.
39	3G	R CH grid select output.	Lights at "H" level.
40	NC	Not used.	

Mechacon Section Mechacon block diagram

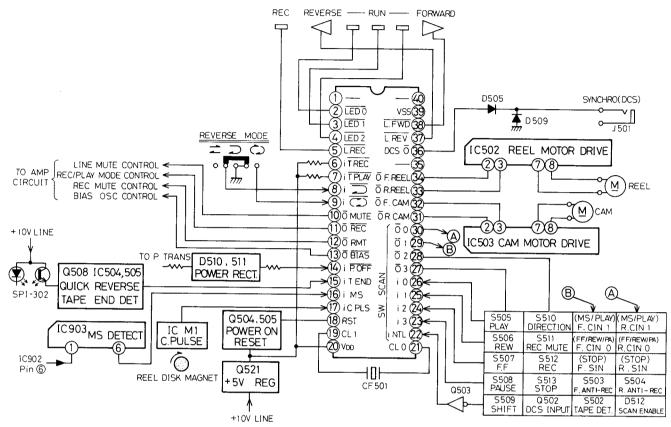


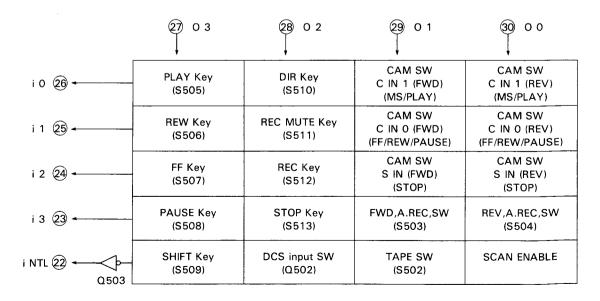
Fig. 14

Mechacontrol CPU pin function chart

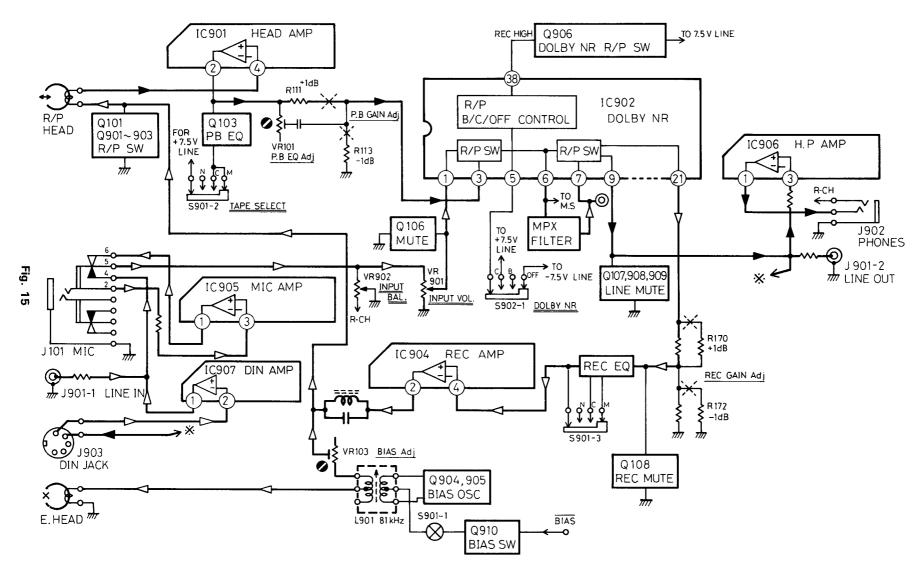
Pin No.	Port Name	Input/ Output	Function
1			Not used. (open)
2	LED O	out	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
3	LED 1	out	Tape running display (LED 1 lights when L: Lights H: Lights out
			paused.)
4	LED 2	out	
5	L. REC	out	REC MODE display (Blinks when REC MUTE) L: Lights H: Lights out
6	i.T. REC	in	Timer REC setting input L:Timer REC operation setting H: No setting
7	i.T. PLAY	in	Timer PLAY setting input L: Timer PLAY operation setting H: No setting Not used
8	i 🗖	in	Reverse mode (> mode) setting input L: Setting H: No setting
9	i 🔂	in	Repeat mode (co mode) setting input L: Setting H: No setting
10	O MUTE	out	LINE OUT signal Muting control output H: MUTE ON L: MUTE OFF

Pin No.	Port Name	Input/ Output	Function				
11	O REC	out	Amplifier circuit record/playback control output	L: REC	H: P.B mode		
12	O RMT	out	Recording signal muting control output	H: MUTE ON	L: MUTE OFF		
13	O Bias	out	Bias oscillation circuit control output	L: Bias oscillation	H: Bias oscillation stop		
14	i P.OFF	in	Power OFF detection signal input	L: Power OFF	H: Power ON		
15	i T.END	in	Quick reverse detection signal (TAPE END signal) input	H: TAPE END	L:		
16	i MS	in	Tune detection signal input	H: Tune exists	L: No tune		
17	i C.PLS	in	Counter (right reel spin) pulse input				
18	RST	in	Microcomputer reset signal input	H: Reset	L: Operable		
19	CL 1		Part connection terminal for clock oscillation				
20	VDD		Positive (+) terminal of power source				
21	CL 0		Part connection terminal for clock oscillation	art connection terminal for clock oscillation			
22	iNTL	in					
23	i 3	in	Key and all SW signals, DCS signal input	Karrandall CM simula DCC simulainment			
24	i 2	in	1 1 -	Key and all SW signals, DCS signal input port (Signals are received through dynamic scan with 27 to 30 terminal)			
25	i 1	in	(Signals are received through dynamic sc	an with 27 to 50 to	si i i i i i i i i i		
26	i 0	in					
27	0 3	out					
28	0 2	out	Select signal output for dynamic scan (L:	· Salact)			
29	0 1	out	Select signal output for dynamic scan (E.	. Selecti			
30	0 0	out)				
31	O R. CAM	out	Cam motor control output				
32	O F. CAM	out	Can motor control output				
33	O R. REEL	out	Reel motor control output				
34	O F. REEL	out	Neer motor control output				
35			Not used				
36	DCS O	out	DCS remote signal output terminal				
37	L. REV	out	Reverse LED display output	L: Lights	H: Lights out		
38	L. FWD	out	Forward LED display output	L: Lights	H: Lights out		
39	Vss		Negative (-) terminal of power source, conn	ected to GND			
40			Not used (Ground)				

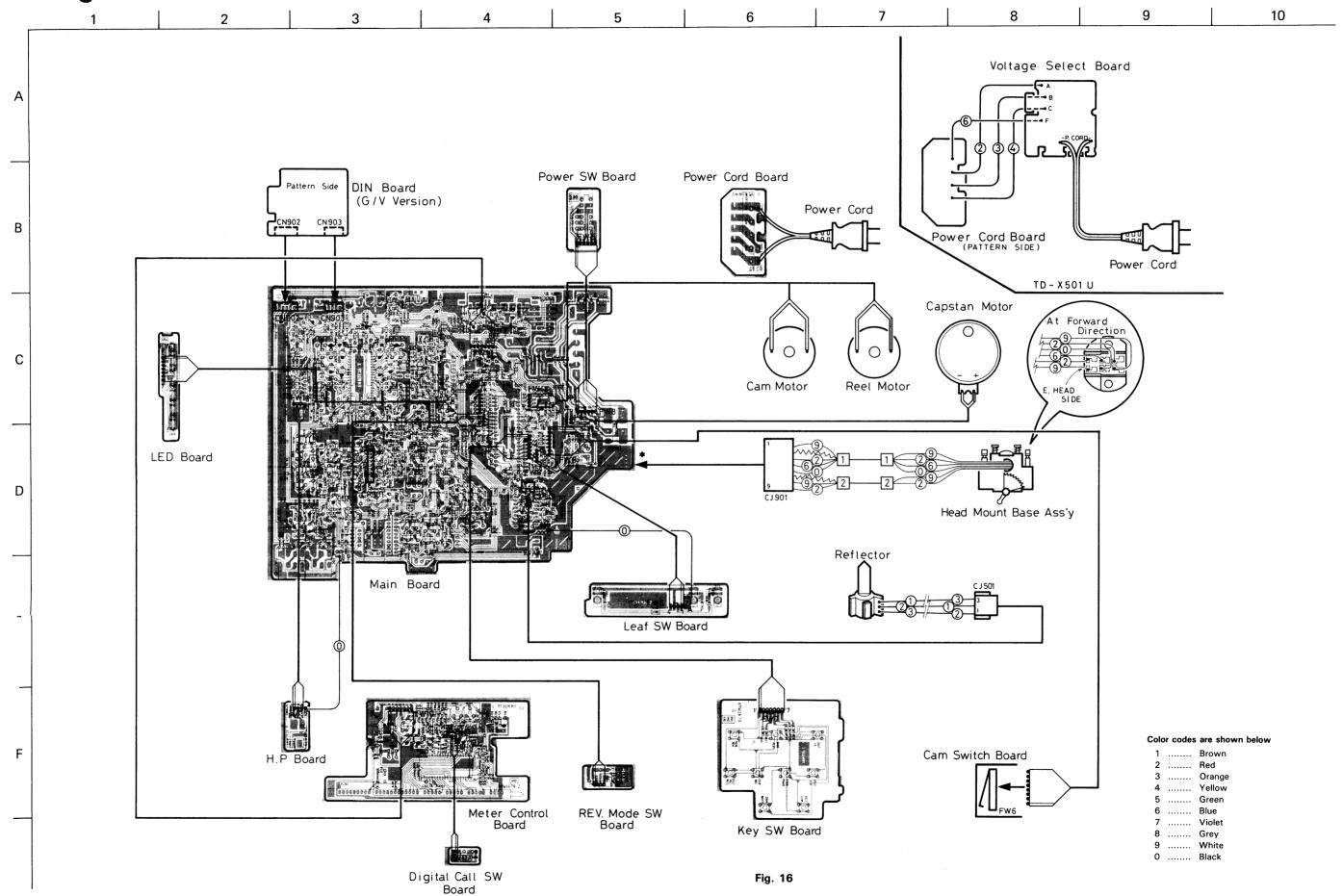
Distribution diagram of dynamic scan



Block Diagram



Wiring Connection



Standard Schematic Diagram of TD-X501 (Amplifier Circuit)

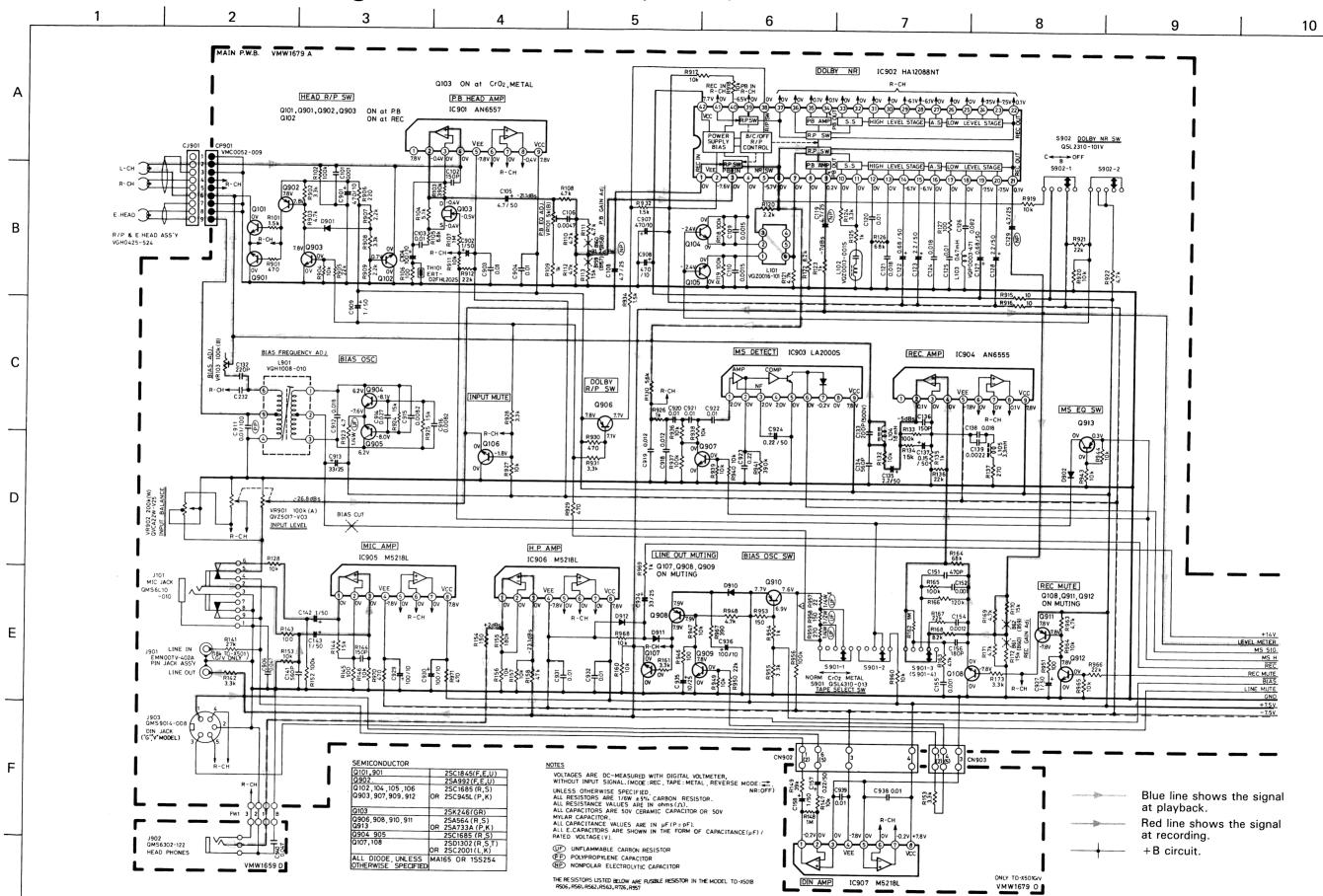
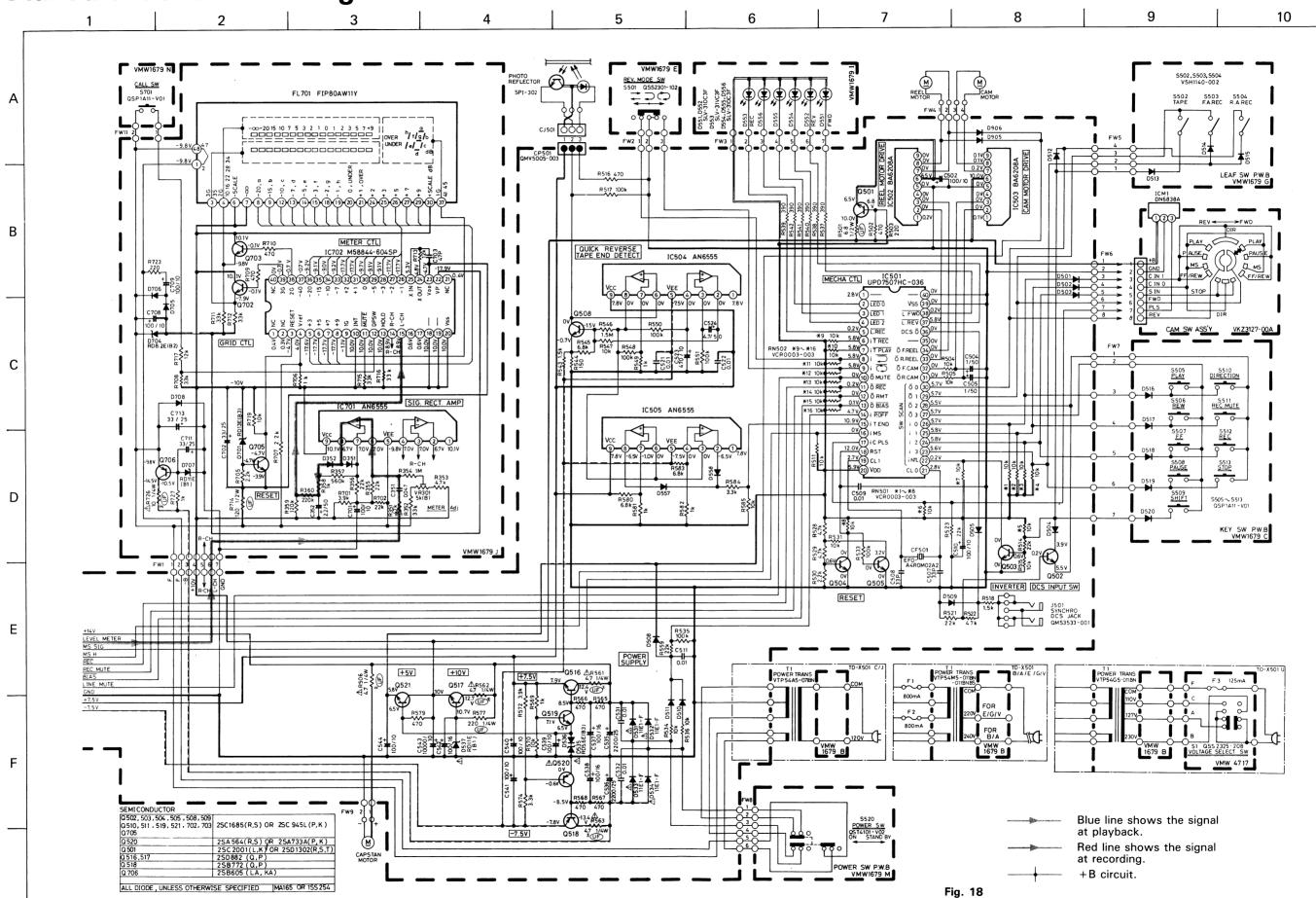
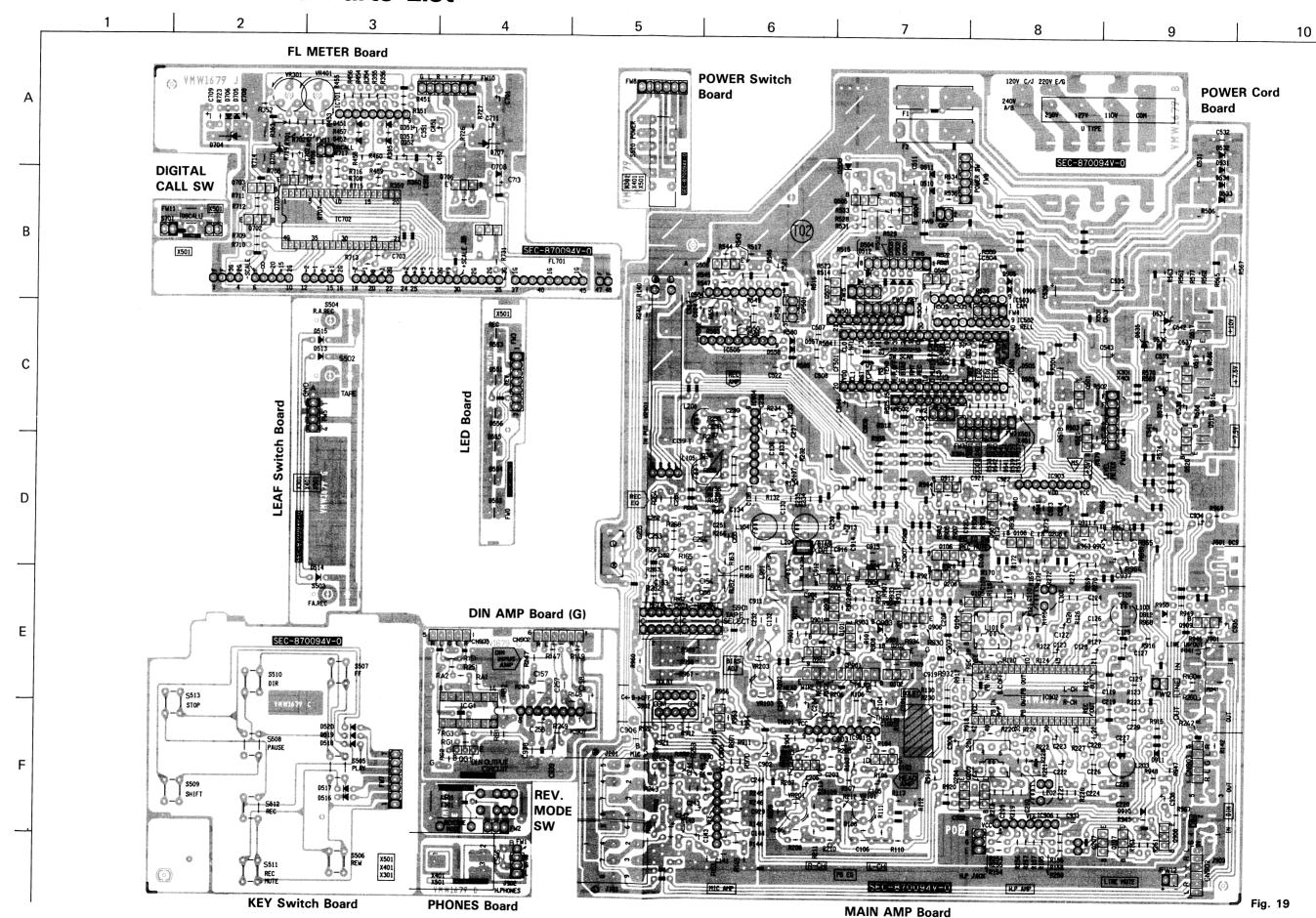


Fig. 17

Standard Schematic Diagram of KD-TD501 (Mecha Control Circuit)



P.C. Board Parts and Parts List



$\ensuremath{\Delta}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

P.C. Board Parts List (1)

REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
IC504, IC505	1	I.C. (M)		4
IC701, IC904				
IC901	AN6557	I.C.		1 2
10502,10503	i	I.C		1
10902	HA12088NT	DOLBY IC		1
IC903 IC905-IC907	LA2000S	I.C		3
10702	M58844-604SP	I.C.		1
10702	UPD7507HC-036	I.C. (M)		1
1001	0107507110 050	1.0.		
Q520 ,Q906	2SA564(R,S)	TRANSISTOR		6
Q908 ,Q910				
Q911 ,Q913		TD 4 W 2 T 2 T 2 D		
Q902	2SA992(E,U)	TRANSISTOR		1
Q706	2SB605(LA,KA)	TRANSISTOR		1
Q518	2SB772(Q,P) 2SC1685(R,S)	SI.TRANSISTOR TRANSISTOR		24
0102 ,0104	22(1002(K/2)	IKANSISIUK		24
Q105 ,Q106 Q202 ,Q204				
Q205 ,Q206				
Q502 -Q505				
Q508 ,Q519				
Q521 ,Q702				
Q703 ,Q705				
Q903 -Q905				
Q907 ,Q909	****			
Q912				
Q101 ,Q201	2SC1845(E,U)	TRANSISTOR		3
Q901				
Q107 ,Q108	2SC2001(L,K)	TRANSISTOR		5
Q207 ,Q208				
Q501				
Q516 ,Q517	2SD882(Q,P)	SI.TRANSISTOR		2
Q103 ,Q203	2SK246(GR)E2	FET		2
D537	RD11E(B1)	Z DIODE		1
D535	RD5.6E(B3)	Z.DIODE		
D551 ,D552	SLV-31DC3F	L.E.D.		
D554 -D556	SLV-31VC3F	L.E.D.		1
D351 ,D352	188254	SI.DIODE		35
D451 ,D452	OR MA165	01.0100		- 3
D501 -D505	OII WIA 100			
D508 -D520				
D536 ,D557				
D558 ,D705				
D706 ,D708				
D901 ,D902				
D905 , D906				
D910 -D912				
AD531 -D534	11E1-TB2	SI DIODE		4
VR902	QVCA22W-V25	V.RESISTOR		1
VR101, VR201	1	V.RESISTOR		4
VR301, VR401	1			_
VR103, VR203		V.RESISTOR		2
VR901	QVZ5017-V03	V.RESISTOR		1

TD-X501 A/B/C/E/G/J/U

▲ REF. NO	PARTS NO.	PARTS NAME	REMARKS	QТY
CN903	QMV5004-005	CONNECTOR		1
CN902	QMV5004-006	CONNECTOR		1
S902	QSL2310-101V	LEVER SWITCH		1
S901	QSL4310-013	LEVER SWITCH		1
\$505 -\$53		PUSH SWITCH		10
S701	QSP1A11-V01	TACT SW		1
S501 AS520	QSS2301-102	SLIDE SWITCH		1
L901	QST4101-V02 VQH1008-010	PUSH SWITCH OSC COIL		1 1
L104 ,L20	1	INDUCTOR		2
L105 ,L20		INDUCTOR		2
L103 ,L20	1	INDUCTOR		2
L102 ,L20	1	FILTER		2
L101 ,L20	1	FILTER		2
 ∆R714	QRD129J-121	C RESISTOR		1
 R 958	QRD129J-151	C RESISTOR		1
 ∆R501	QRD129J-6R8	CORBON RESISTOR		1
R505	QRD144J-103S	CARBON RESISTOR	1	1
 ₹726	QRD149J-100S	CARBON RESISTOR	TD-X501 A/C/E/G/J/U	1
 R 9 5 7	QRD149J-220S	CARBON RESISTOR		1
 R 577	QRD149J-221S	CARBON RESISTOR	1	1
 ₹959	QRD149J-271S	CARBON RESISTOR		1
AR506 ,R56	•	C RESISTOR	TD-X501 A/C/E/G/J/U	4
R562 , R56	•			
R923	QRD149J-4R7S			
R915 , R91	1	CARBON RESISTOR	•	2
R106 , R12	1	CARBON RESISTOR		10
R143 ,R14 R206 ,R22	•			
R243 , R24	•			
R946 R95				
R109 , R12	-	CARBON RESISTOR		19
R125 ,R13	1	ombon Kedidida		1
R209 , R22				
R225 , R23	55			
R358 , R45	8			
R549 , R56	9	-		
R581 , R58	32			
R706 ,R72	ı			
R926 , R95	54			
R969				
R128 ,R13	1	CARBON RESISTOR		55
R146 ,R14				
R153 ,R15	1			
R157 ,R16				
R246 , R24				
R253 , R25	1			
R257 , R26	1			
R504 , R51	,			
R515 , R53				
R534 , R53				
R547 , R57	1			
R585 , R71	,			
R904 , R91	1			

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TD-X501 A/B/C/E/G/J/U

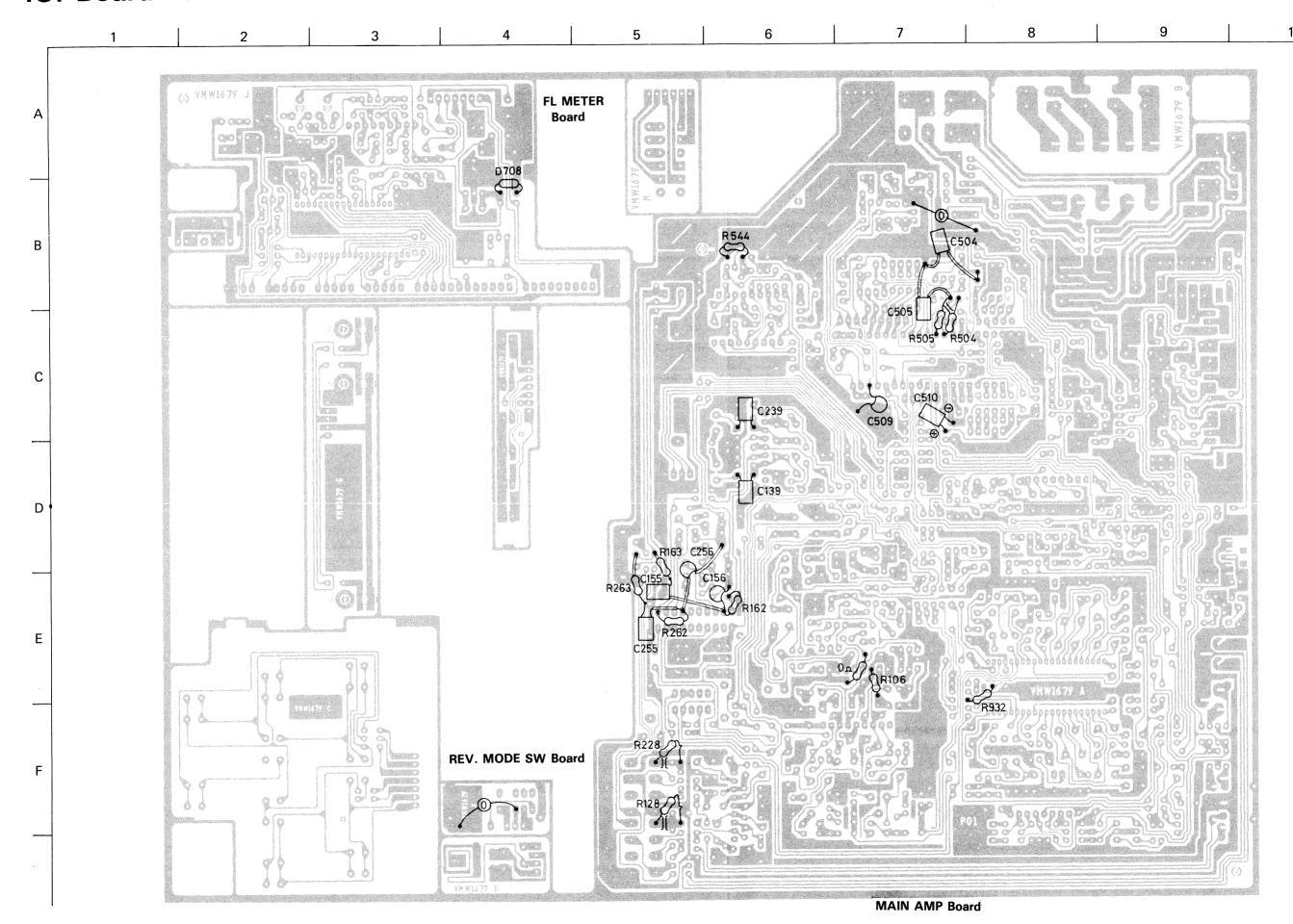
P.C. Board Parts List (2)

A REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
R917 -R920 R927 ,R936 R938 -R940 R943 ,R944 R947 ,R949	QRD161J-103	C. RESISTOR		
R960 ,R964 R965 ,R968 R102 ,R118 R119 ,R133 R152 ,R165	QRD161J-104	CARBON RESISTOR		20
R202 ,R218 R219 ,R233 R252 ,R265 R517 ,R533 R535 ,R548				
R550 ,R551 R937 ,R956 R107 ,R148 R162 ,R207 R248 ,R262	QRD161J-105	CARBON RESISTOR		8
R354 ,R454 R713 ,R717 R166 ,R266 R359 ,R459	QRD161J-123 QRD161J-124	CARBON RESISTOR CARBON RESISTOR		2 4
R154 ,R254 R503 ,R544 R953	QRD161J-151	CARBON RESISTOR		5
R101 ,R201 R518 ,R543 R932 ,R934	QRD161J-152	CARBON RESISTOR		6
R113 ,R134 R144 ,R170 R172 ,R213 R234 ,R244 R270 ,R272	QRD161J-153	CARBON RESISTOR		12
R924 ,R925 R931 R546 R141	QRD161J-155 QRD161J-183	C RESISTOR CARBON RESISTOR		1 2
R241 R155 ,R167 R255 ,R267	QRD161J-184	CARBON RESISTOR		4
R723 ,R906 R120 ,R220 R530 ,R705	QRD161J-221 QRD161J-222	CARBON RESISTOR CARBON RESISTOR		2 7
R707 ,R907 R909 R136 ,R236 R355 ,R356 R455 ,R456	QRD161J-223	CARBON RESISTOR		16
R514 ,R521 R523 ,R559 R702 ,R905 R912 ,R921				
R950 , R966				

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lal non sea	n.n	 		
A REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
	QRD161J-224	CARBON RESISTOR		2
1 1	QRD161J-271	CARBON RESISTOR	l .	2
	QRD161J-273	CARBON RESISTOR	I .	2
!!!!!	QRD161J-332	CARBON RESISTOR	₹	17
R151 ,R161				
R173 ,R224				
R242 ,R251				
R261 ,R273				
R574 ,R584				
R902 ,R908 R928 ,R931				
R955				
	QRD161J-333	CARRON RECTOTOR		
R708 , R711	WVD1011-333	CARBON RESISTOR	(7
R712 , R715				
R716				
1	QRD161J-391	CARBON RESISTOR		7
R967	WWD1010 371	CARDON RESISTON		'
	QRD161J-392	CARBON RESISTOR		2
	QRD161J-393	CARBON RESISTOR		2
	QRD161J-394	C RESISTOR		2 2 3
R941				
R502 , R516	QRD161J-471	CARBON RESISTOR		14
R565 -R568				
R579 ,R709				
R710 ,R901				
R929 , R930				
R970 , R971				
1	QRD161J-472	CARBON RESISTOR		22
R111 ,R112				
R121 ,R169				
R171 ,R208				
R210 -R212				
R221 ,R269				
R271 ,R353				
R453 , R528				
R529 , R903				I
R922 ,R948 R963				1
1	QRD161J-473	CARRON RECTOR		_
R258 , R263	WINDIOID-4/3	CARBON RESISTOR		_ 7
R351 , R451				I
R522				ĺ
1	QRD161J-512	CARBON RESISTOR		ا ر
1	QRD161J-562	CARBON RESISTOR		2
	51010 502	CARDON RESISTOR		
R357 , R457	QRD161J-564	CARBON RESISTOR		2
1	QRD161J-682	CARBON RESISTOR		5
R545 ,R580				-
R583				
R126 ,R164 (QRD161J-683	CARBON RESISTOR		4
R226 ,R264				.
	QRD161J-822	CARBON RESISTOR		2
	QRD161J-823	CARBON RESISTOR		2
R268				

Parts (TD-X501 E # 1 ~ # 1,000 Pattern Side)



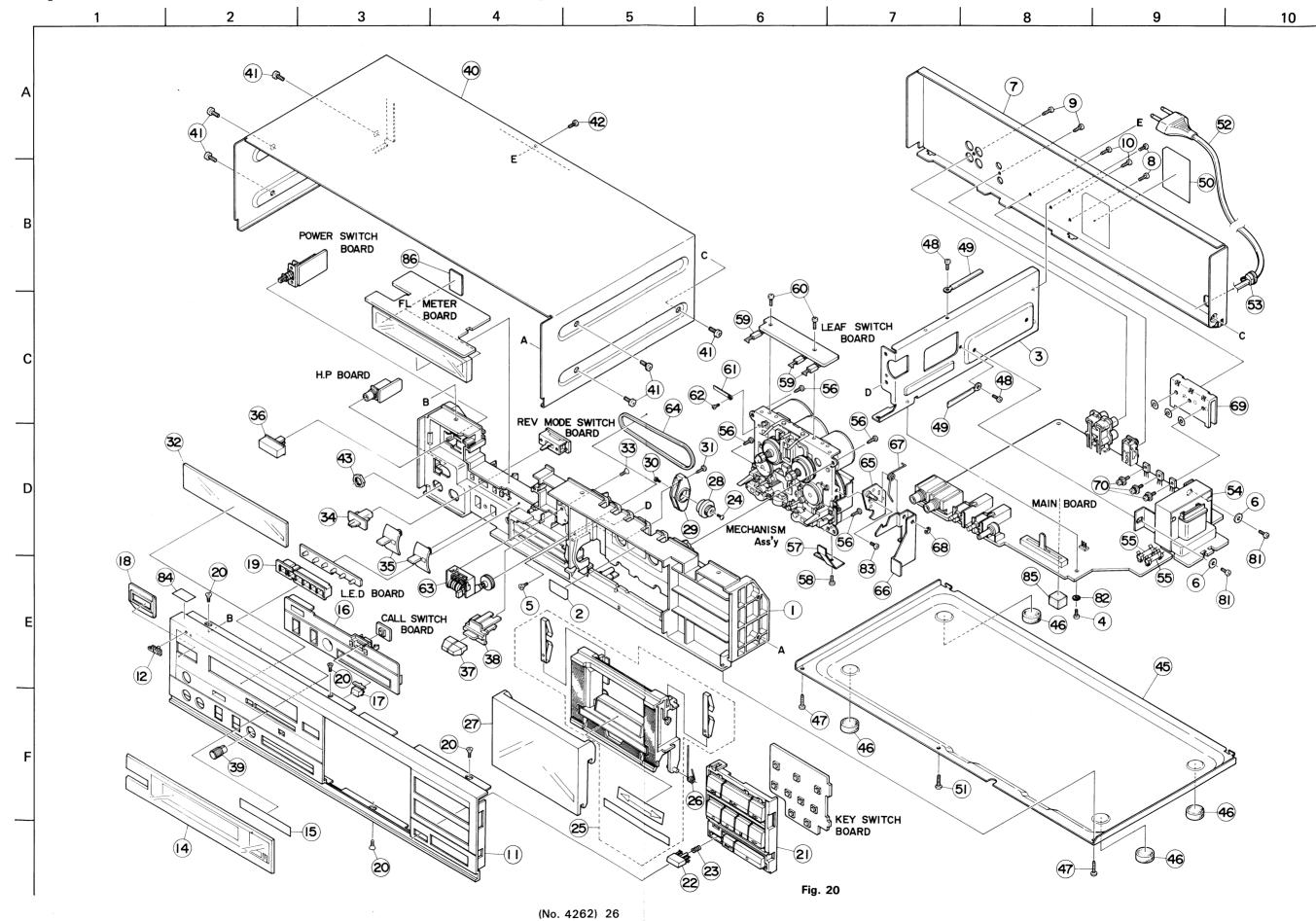
P.C. Board Parts List (3)

<u> </u>	REF. NO	PARTS NO.	PARTS NAME	REMARKS	QTY
	726	QRZ0052-100	F RESISTOR	TD-X501 B	1
	957	QRZ0052-220	F RESISTOR	"	1
	506 ,R561	QRZ0052-4R7	F.RESISTOR	"	4
E	562 ,R563	W000007 007	D D D		
	N501,RN502 F501	VCR0003-003 EF0-A4R0M02A2	C.R.BLOCK CERA LOCK		2
, ,	509 , C511	QCF11HP-103	C CAPACITOR		1 12
	521 , C522	COTTINE TOS	CORFACTION		12
	531 ,0532				
1 1	903 ,0904				
	931 ,0932				
C	938 ,0939				
	351 ,C451	QCF11HP-473	C.CAPACITOR		4
1	906 , 0940				
1	102 , C136	QCS11HJ-151	C.CAPACITOR		6
ž i	144 ,C202				
1 2	236 ,C244 156 ,C256	QCS11HJ-181	C.CAPACITOR		
1	132 ,0232	QCS11HJ-221	C.CAPACITOR		2
	507 , 0508	QCS11HJ-330	C.CAPACITOR		2 2
	703	QCS11HJ-470	C.CAPACITOR		1
	151 ,C251	QCS11HJ-471	C.CAPACITOR		2
C	134 ,C141	QCS11HJ-561	C.CAPACITOR		4
C	234 ,0241				
	133 ,0233	QCS12HJ-201V	C.CAPACITOR		2
	108 ,0119	QEN41EM-475	NP.E.CAPACITOR		6
1 1	129 ,0208				
, ,	219 ,0229	OFTC4 AM / 777M	E CADACTEDD		
	523 ,C901 907 ,C908	QETC1AM-477ZM	E.CAPACITOR		4
1	104 ,0204	QET41AR-107	E.CAPACITOR		14
1	502 , C510	QLITIAN 107	L. CAI ACTION		14
	539 -C541				
1	544 ,C701				
C	708 ,0709				
	929 ,0930				
	936				
	537 ,0538	QET41CR-107	E CAPACITOR		3
1 1	542	AET/45D 404	E CADACTTOD		
	935 535 ,0536	QET41ER-106	E.CAPACITOR E.CAPACITOR		1
	702 ,0711	QET41ER-228 QET41ER-336	E CAPACITOR		2 5
	713 ,0913	WEITTEN JJO	L CHINCIIUN		ا د
	934				
	142 ,0143	QET41HR-105	E.CAPACITOR		11
	158 ,0242				
c	243 ,0258				
	504 ,0505				
E 1	902 ,0909				
	937				
• :	137 ,0237	QET41HR-154	E CAPACITOR		2
	157 ,0257	QET41HR-224	E.CAPACITOR		3
, ,	924 105 ,C205	QET41HR-475	E.CAPACITOR		3
	524	XC141UK-4/2	L.CAFACTIUK		3

A	REF. NO	PARTS NO.	PARTS NAME	REMARKS	ΩТΥ
	C543	QET51AR-109N	E.CAPACITOR		1
	C122 ,C127	QET51HR-684N	E CAPACITOR		4
1	C222 ,C227				
,	C123 ,C128	QET61HR-225ZM	E.CAPACITOR		8
	C135 ,C223				ļ
	C228 ,C235 C352 ,C452				
1	C101 ,C152	QFN41HJ-102	M.CAPACITOR		6
	C155 ,C201	Q1 N41113 102	M. CAI ACTION		
:	C252 ,C255				
	C154 ,C254	QFN41HJ-122	M.CAPACITOR		2
	C109 ,C110	QFN41HJ-152	M.CAPACITOR		4
	C209 ,C210				
	C139 ,C239	QFN41HJ-222	M.CAPACITOR		2 2
1	C106 ,C206	QFN41HJ-472	M.CAPACITOR		2
	C915 ,C916	QFN41HJ-822	M CAPACITOR		2
	C911	QFP82AJ-103	P.P.CAPACITOR		1
E	C103 ,C120	QFV41HJ-103	TF.CAPACITOR		9
	C125 ,C203				
	C220 ,C225 C920 -C922				
	C121 , C124	QFV41HJ-183	TF.CAPACITOR		7
1	C138 , C221	Q1 V41110 105	III . CAI ACTION		'
	C224 ,C238				
9 1	C912				
	C923	QFV41HJ-224	TF.CAPACITOR		1
3 I	C126 ,C226	QFV41HJ-823	TF CAPACITOR		2
	C918 ,C919 C914	QFV71HJ-123ZM QFV71HJ-273ZM	T.F.CAPACITOR		2
2	CP501	QMV5005-003	TF.CAPACITOR CONNECTOR		1 1
1 1	CP901	VMC0052-009	CONNECTOR		1
1	J901	EMNOOTV-402A	PIN JACK		1
1 1	J903 ,J202	QMC9014-008	DIN SOCKET	TD-X501 G	1
	J501	QMS3533-001	JACK		1
	J101	QMS6L10-010	MIC JACK		2
	J902	QMS6302-122	JACK		1
	FL701	FIP80AW11Y	FL TUBE		1
	TH101,TH201		THERMISTOR		2
	S1	QSS2325-208	SLIDE SWITCH		1
	D701	RD13E (B3)	Z. DIODE		1
	D702	RD8.2E (B2)	"		1
	D703	RD11E (B1)	"		1

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Exploded View of Enclosure Assembly and Parts List



Enclosure Assembly Parts List

 Δ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

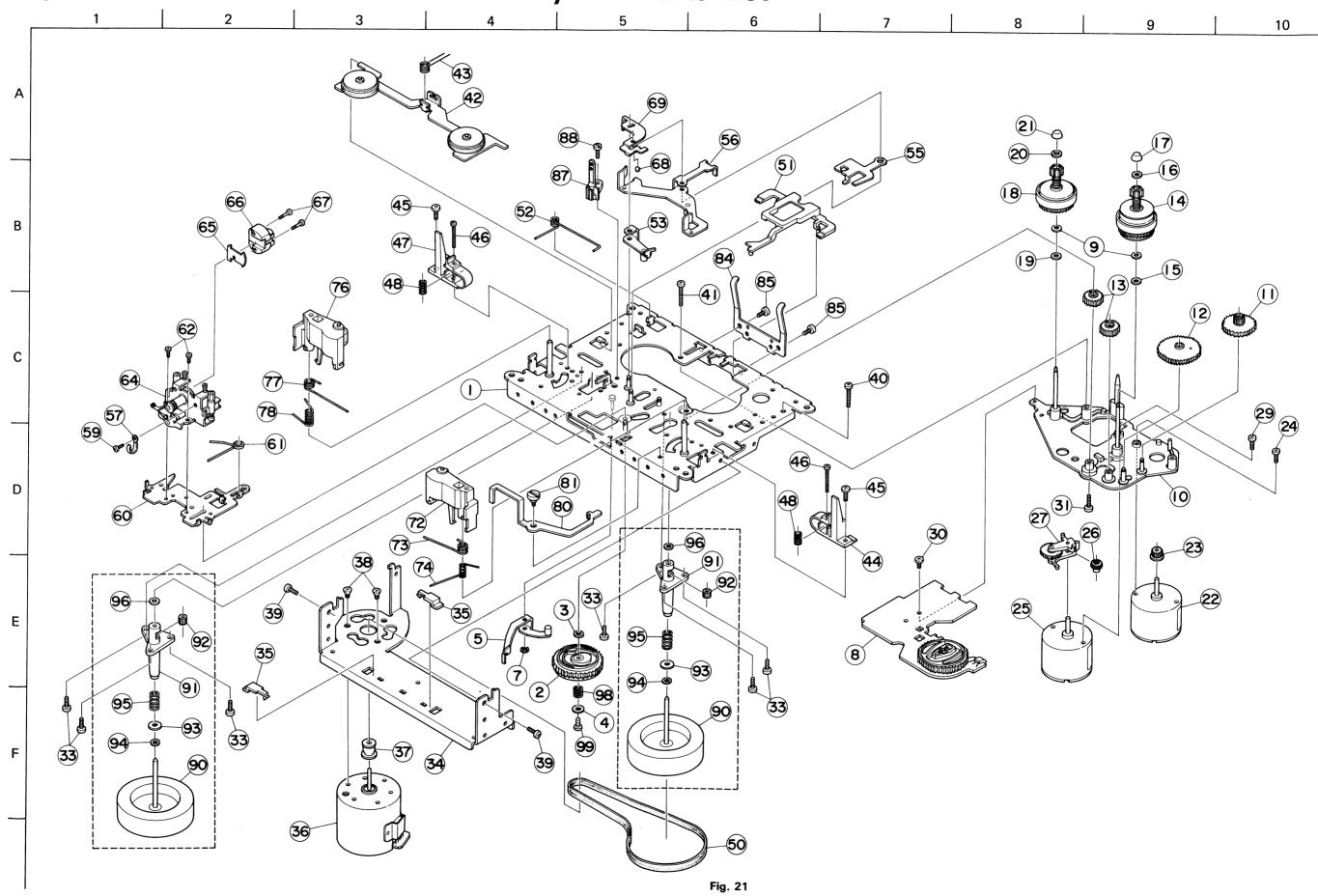
1	REF.	PARTS NO.	PARTS NAME	REMARKS	QT
T	1	VJC1520-001	FRONT PANEL		1
	2	VJD4005-002	REFLECTION PLAT		1
	3	VKL3743-001	CENTER CHASSIS		1
	4	SDST3006Z	SCREW	P.W.B	1
		SSST3008Z	SCREW	FRONT PANEL	1
T	5	Q03091-105	WASHER	TD-X501B(BK)	2
	7	VJC2173-008	REAR PANEL	TD-X501A/B/C/E/J(BK)	1
	,	VJC2173-009	REAR PANEL	TD-X501U(BK)	1
		VJC2173-010	REAR PANEL	TD-X501G(BK)	1
	8	SDST3006N	SCREW	R.PANEL+C.CHASSIS	1
-	9	SDSF3008N	SCREW	PIN JACK+DCS	
	10	SDSF3008N	SCREW	HEAT SINK	2
		ZCTDX501-FBK	FRONT PLATE ASS'Y		1
	11	VJC1521-001	FRONT PLATE		
	12	E72968-001	MARK		
-	13	VYSA1R4-057	SPACER		
	14	VJK3340-001	FINDER		
	15	VYTT437-002	SHEET		0.07
	16	VJD3591-001	ESCUTCHEON		
	17	VXP4347-010	PUSH BUTTON		
+	18	VJD4987-001	ESCUTCHEON		
	19	VJD4987-001	HOLDER		
			SCREW	F.PANEL+F.PLATE	
	20	SSSF3008Z	PUSH BUTTON	MECHÁ	
	21	VXP2003-001	l .	EJECT	
-	22	VXP4349-00A	PUSH BUTTON	EJECI	
	23	VKW3001-063	COMP.SPRING		
	24	SBSB2004Z	SCREW		
	1	ZCTDX501-CH	CASSETTE HOLDER ASS'Y		
	25-1	VJT2129-001	CASSETTE HOLDER		
1	25-2	VJD4988-001	PLATE		
	25-3	VJD4993-001	PLATE		
	25-4	VKY4382-009	CASSETTE SPRING		
	25-5	VKY4382-010	CASSETTE SPRING		
	26	VKW3006-091	SPRING	C.HOLDER	
	27	VJT3182-001	LID		
	28	VYH5133-002	GEAR		
	29	VYH5134-002	DAMPER HOLDER		
	30	SPSK1720M	SCREW		
	31	SBSF2608Z	SCREW		
	32	VJD4615-010	FILTER	FL METER	
1	33	SBSF2606Z	SCREW		
	34	VXS4041-005	SLIDE KNOB	REVERSE MODE	
	35	VXQ4074-003	KNOB	NR&TAPE SELECT	
	36	E72789-001	POWER KNOB	POWER	
	37	VXS3017-001	SLIDE KNOB	INPUT	
	38	VKS4783-002	SLIDE LEVER		
	39	VXL4276-001	KNOB	BALANCE	
	40	VJC2172-002	TOP COVER		
1	41	SDSB4010M	SCREW		
-	42	SDST3006N	SCREW		
1	43	VKZ4150-001	SPECIAL NUT		
	45	VKL2235-002	BOTTOM COVER		
	46	VJF4003-005	FOOT		
	40 47	SBSF3008Z	SCREW		
	47 48	SDST3006Z	SCREW		

TD-X501 A/B/C/E/G/J/U

 ★ 54 VTP54A5 ★ VTP54A5 ★ VTP54M5 ★ QMF51A2 ★ Q	1-002PA NAME 1-003PA NAME 1-004PA NAME 1-005PA NAME 1-006PA NAME 1-007PA NAME 1-008PA NAME 12Z SCREW 1-200 POWER	PLATE T PLATE T PLATE T PLATE T PLATE T CORD T	TD-X501B(BK) TD-X501A(BK) TD-X501C(BK) TD-X501E(BK) TD-X501U(BK) TD-X501U(BK) TD-X501C(BK) TD-X501C(BK) TD-X501J(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
VYN2171 VYN2171 VYN2171 VYN2171 VYN2171 VYN2171 VYN2171 VYN2171 S1 SDST301 A 52 QMP1200 A QMP2560 A QMP3900 A QMP3900 A QMP3900 A QMP38876 A QHS3876 A QHS3876 A QHS3876 A VTP54A5 VTP54A5 VTP54A5 VTP54A5 VTP54M5 VTP	1-003PA NAME 1-004PA NAME 1-005PA NAME 1-006PA NAME 1-007PA NAME 1-008PA NAME 12Z SCREW 1-200 POWER 1-200 S.R.B	PLATE T PLATE T PLATE T PLATE T PLATE T CORD T	TD-X501A(BK) TD-X501C(BK) TD-X501E(BK) TD-X501J(BK) TD-X501U(BK) TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501J(BK) TD-X501A(BK)	1 1 1 1 1 1 1 1 1
VYN2171 VMP1200 MP2000 MP3900 MP3900 MP3876 MP3876 MP3876 MP3877 MP53877	1-004PA NAME 1-005PA NAME 1-006PA NAME 1-007PA NAME 1-008PA NAME 12Z SCREW 0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 0-200 S.R.B	PLATE T PLATE T PLATE T PLATE T CORD T	TD-X501C(BK) TD-X501E(BK) TD-X501J(BK) TD-X501U(BK) TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1 1 1 1 1 1
VYN2171 VMP1200 QMP1200 QMP3900 QMP3900 QMP3900 QMP9017 A QHS3876 QMF51A3 QMF51A3 QMF51A3 QMF51A3 QMF51A3 QMF51A3	1-005PA NAME 1-006PA NAME 1-007PA NAME 1-008PA NAME 12Z SCREW 0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 0-200 S.R.B	PLATE T PLATE T PLATE T PLATE T CORD T	TD-X501E(BK) TD-X501J(BK) TD-X501U(BK) TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1 1 1 1
VYN2171 VMP1200 MP1200 MP3900 QMP3900 QMP3900 QMP3900 QMP3900 QMP3900 QMP3900 QMP3900 QMP38876 QHS3876	1-005PA NAME 1-006PA NAME 1-007PA NAME 1-008PA NAME 12Z SCREW 0-200 POWER 0-200 S.R.B	PLATE T PLATE T PLATE T CORD T CORD T CORD T CORD T CORD T CORD T CORD T	TD-X501J(BK) TD-X501U(BK) TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1 1 1
VYN2171 VYN2171 VYN2171 VYN2171 VYN2171 VYN2171 SDST301 A S2 QMP1200 QMP2560 QMP3900 QMP3900 QMP3900 QMP7600 QMP9017 A S3 QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 VTP54A5 VTP54A5 VTP54A5 VTP54A5 VTP54M5 VTP5	1-006PA NAME 1-007PA NAME 1-008PA NAME 12Z SCREW 0-200 POWER 0-200 S.R.B	PLATE T PLATE T PLATE T CORD T CORD T CORD T CORD T CORD T CORD T CORD T	TD-X501J(BK) TD-X501U(BK) TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1 1 1
VYN2171 VYN2171 VYN2171 SDST301 SDST301 SQMP1200 M QMP2560 QMP3900 QMP3900 QMP7600 QMP9017 A S3 QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 A VTP54A5 VTP54A5 VTP54A5 VTP54M5 VTP5	1-007PA NAME 1-008PA NAME 12Z SCREW 0-200 POWER 0-200 S.R.B	PLATE T PLATE T CORD T CORD T CORD T CORD T CORD T CORD T CORD T	TD-X501U(BK) TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1 1 1
V.YN2171 51 SDST301 A QMP1200 A QMP2560 A QMP3900 A QMP3900 A QMP3900 A QMP39017 A QMP38876 QMS3876 QHS3876 QMS3876 QHS3876 QMS3876 QHS3876 QMS3876 QHS3876 QMS3876 QHS3876 QMS3876 VTP54A5 QMYP54A5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 QMF51A6 QMF51A6 QMF51A7 QMF51A6 QMF51A8 QMF51A6 QMF51A8 QMF51A6 QMF51A8	1-008PA NAME 12Z SCREW 0-200 POWER 0-200 S.R.B	CORD T	TD-X501G(BK) TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1 1
51 SDST301 A 52 QMP1200 A QMP1200 A QMP3900 A QMP3900 A QMP7600 A S3 QHS3876 A QHS3876 A QHS3876 A QHS3876 A VTP54A5 VTP54A5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 A QMF51A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6	12Z SCREW D-200 POWER D-200 POWER D-200 POWER D-200 POWER D-200 POWER D-200 POWER T-008BS AC CO S-162 S.R.B	CORD T CORD T CORD T CORD T CORD T CORD T	TD-X501C(BK) TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1 1
A 52 QMP1200 A QMP1200 A QMP2560 A QMP3900 A QMP3900 A QMP7600 A S3 QHS3876 A QHS3876 A QHS3876 A QHS3876 A VTP54A5 A VTP54A5 A VTP54M5	D-200 POWER D-200 POWER D-200 POWER D-200 POWER D-200 POWER D-200 POWER T-008BS AC CO S-162 S.R.B	CORD T CORD T CORD T CORD T	TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1 1 1
MA QMP1200 MA QMP3900 MA QMP3900 MP3900 MP7600 MP7600 MP9017 MA 53 QHS3876 MA QHS3876 MA QHS3876 MA QHS3876 MA VTP54A5 VTP54A5 VTP54M5 VTP54M5	D-200 POWER D-200 POWER D-200 POWER D-200 POWER D-200 POWER 7-008BS AC CO S-162 S.R.B	CORD T CORD T CORD T CORD T	TD-X501J(BK) TD-X501A(BK) TD-X501E(BK)	1
A QMP2560 A QMP3900 A QMP3900 A QMP7600 A QMP9017 A 53 QHS3876 A QHS3876 A QHS3876 A QHS3876 A QHS3876 A VTP54A5 A VTP54A5 A VTP54M5 A V	0-200 POWER 0-200 POWER 0-200 POWER 0-200 POWER 7-008BS AC CO 6-162 S.R.B	CORD T CORD T CORD T	TD-X501A(BK) TD-X501E(BK)	1
Δ	0-200 POWER 0-200 POWER 0-200 POWER 7-008BS AC CO 6-162 S.R.B	CORD T	TD-X501E(BK)	
A QMP3900 QMP7600 QMP9017 A 53 QHS3876 A QHS3876 A QHS3876 A QHS3876 A QHS3876 A QHS3876 A VTP54A5 A VTP54A5 A VTP54M5 A VTP54	0-200 POWER 0-200 POWER 7-008BS AC CO 6-162 S.R.B	CORD	4	1
M QMP7600 QMP9017 A 53 QHS3876 QMF51A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6 QMF61A6	D-200 POWER 7-008BS AC CO 6-162 S.R.B		TD-X501G(BK)	1
 MP9017 MS3876 QHS3876 QMF54M5 VTP54M5 VTP54M5 VTP54M5 QMF51A2 QMF51A2	7-008BS AC CO 6-162 S.R.B	CURD	•	t .
Δ 53 QHS3876 QMF51A6 QMF51A7 QMF7 QMF7 QMF7 QMF7 QMF7 QMF7 QMF7 QMF7 QMF	6-162 S.R.B		D-X501U(BK)	1
A QHS3876 A VTP54A5 A VTP54A5 A VTP54M5 A VTP54M5 A VTP54M5 A VTP54M5 A QMF51A6 A QMF51A6 A QMF51A6 C SSSF301 57 VKY4296 58 SDST266 61 VKZ4006 62 SSSP266 63 VKC5186 64 VKB3006 65 VKL5916			TD-X501B(BK)	1
Δ QHS3876 QHF54A5 VTP54A5 VTP54A5 VTP54M5	5-162 S.R.B	i i	TD-X501E(BK)	1
А QHS3876 А QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 QHS3876 A VTP54A5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 A QMF51A2 QMF51A2	i		D-X501U(BK)	1
Δ QHS3876 QHS3876 QHS3876 QHS3876 Δ VTP54A5 Δ VTP54A5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ QMF51A6 QMF61A6 QMF61		į.	TD-X501A(BK)	1
Δ QHS3876 QHS3876 QHS3876 QHS3876 Δ VTP54A5 Δ VTP54A5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ QMF51A6 QMF61A6 QMF61			TD-X501G(BK)	1
Δ 54 VTP54A5 Δ VTP54A5 Δ VTP54A5 Δ VTP54A5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ QMF51A2 QMF5	5-162 S.R.B		TD-X501J(BK)	1
M 54 VTP54A5 M VTP54A5 M VTP54A5 M VTP54M5 M VTP54M5 VKY4296 SSSF301 VKY4296 SSSF301 VKZ4006 61 VKZ4006 62 VKL53756 64 VKL53756 VKL5919 66 VKL53756	5-162 S.R.B		TD-X501C(BK)	1
Δ VTP54A5 Δ VTP54M5 Δ QMF51A2 Δ QMF51A2 Q	6-162BS S.R.B	USHING T	TD-X501B(BK)	1
Δ VTP54A5 Δ VTP54A5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ VTP54M5 Δ QMF51A2 QMF2A2 QMF2A2 QMF2A2 QMF2A2 QMF2A2 QMF2A2 QMF2A2 QMF2A2 QMF2A	5-071BN POWER	TRANS T	TD-X501C(BK)	1
Δ VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M5 VTP54M6 VTP	5-071BN POWER	TRANS T	TD-X501J(BK)	1
Δ VTP54M9 VTP54M9 VTP54M9 VTP54M9 VTP54M9 VTP54M9 A S5 QMF51A2 QMF51A			TD-X501U(BK)	1
Δ VTP54M9 VTP54M9 VTP54M9 VTP54M9 VTP54M9 A 55 QMF51A2 QMF51A		TRANS T	TD-X501G(BK)	1
Δ VTP54M9 VTP54M9 VTP54M9 Δ 55 QMF51A2 QMF2A2	i		TD-X501E(BK)	1
M 55 QMF51A2 QMF51A2	I		TD-X501A(BK)	1
A 55 QMF51A2 QMF51A2 QMF51A2 QMF51A2 QMF51A2 QMF51A2 QMF51A2 QMF51E2 56 SSSF301 57 VKY4296 58 SDST266 59 VSH1146 60 SDST266 61 VKZ4002 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919	5-011BNBSPOWER		TD-X501B(BK)	1
Δ QMF51A2 QMF51A2 QMF51A2 QMF51A2 QMF51A2 QMF51E2 56 SSSF301 57 VKY4296 58 SDST266 60 SDST266 61 VKZ4003 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919			TD-X501U F3	1
A QMF51AA QMF51AA QMF51AA QMF51AA QMF51EA SSSF301 57 VKY4296 58 SDST266 59 VSH1146 60 SDST266 61 VKZ4003 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919 66 VKL3753	1	I I	TD-X501E F1,F2	2
M QMF51A2 QMF51E2 S6 SSSF301 S7 VKY4296 S8 SDST266 S9 VSH1146 60 SDST266 61 VKZ4003 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919			TD-X501E	
QMF51E2 56 SSSF301 57 VKY4296 58 SDST266 59 VSH1146 60 SDST266 61 VKZ4002 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919		1	TD-X5010 F1/F2	2
56 SSSF301 57 VKY4296 58 SDST266 59 VSH1146 60 SDST266 61 VKZ4003 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919	I	1	TD-X501A F1/F2	2 2
57 VKY4296 58 SDST266 59 VSH1146 60 SDST266 61 VKZ4003 62 SSSP266 63 VKC5189 64 VKB3006 65 VKL5919				4
58 SDST260 59 VSH1140 60 SDST260 61 VKZ4003 62 SSSP260 63 VKC5189 64 VKB3000 65 VKL5919	1		MECHA+F.PANEL	į.
59 VSH1140 60 SDST260 61 VKZ4003 62 SSSP260 63 VKC5189 64 VKB3000 65 VKL5919			1ECHA	1
60 SDST260 61 VKZ4003 62 SSSP260 63 VKC5189 64 VKB3000 65 VKL5919 66 VKĽ3753				1
61 VKZ4003 62 SSSP260 63 VKC5189 64 VKB3000 65 VKL5919 66 VKĽ3753		SWITCH		3
62 SSSP260 63 VKC5189 64 VKB3000 65 VKL5919 66 VKĽ3753				2
63 VKC5189 64 VKB3000 65 VKL5919 66 VKĽ3751		HOLDER		1
64 VKB3000 65 VKL5919 66 VKĽ3753		i de la companya de		1
65 VKL5919				1
66 VKĽ3751	0-063 COUNT	ER BELT(R)		1
1	9-00C BRACK	ET		1
47 1/1/1/24	1-001 EJECT	LEVER		1
U/ VNW401.	3-001 SPRIN	G		1
68 REE2500	O E.RIN	G		1
69 VMH401:	1-001 HEAT	SINK G	2516,517,518	1
70 DPSP300		R	REG.TRANSISTOR	3
71 VND400			TD-X501U	1
72 E48729	3-U46 IFUSE		TD-X501G(BK)DIN JACK	2
73 SDSP300	i		TD-X501U(BK)V.SELECT	2
81 SDST300	-002 RIVET		P.TRANS	2
82 WBS300	-002 RIVET 08N SCREW		• I NANS	1
83 SDST260	-002 RIVET 08N SCREW 08Z SCREW			1
1 1	-002 RIVET 08N SCREW 08Z SCREW ON WASHE			1
85 VYSH11	-002 RIVET 08N SCREW 08Z SCREW ON WASHE 06Z SCREW	1	· · · · · · · · · · · · · · · · · · ·	
86 VYSH10	-002 RIVET 08N SCREW 08Z SCREW ON WASHE 06Z SCREW 6-017 CAUTI	ON LABEL	ł	1

(No. 4262) 27

Exploded View of Mechanism Assembly and Parts List



Mechanism Assembly Parts List (1)

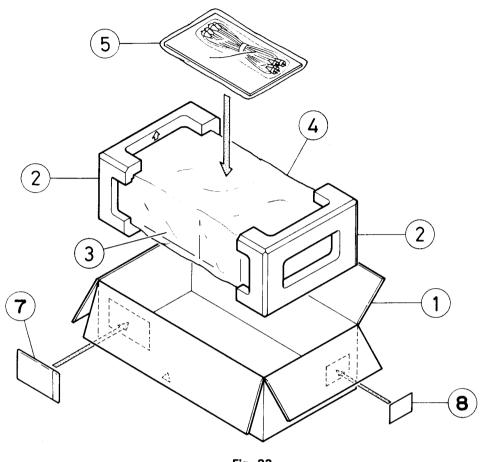
 $\ensuremath{\Delta}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

\triangle	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
		DN6838A	I.C.	ICM1	1
	1	VKL2251-00E	CHASSIS CASE		1
	2	VKS2122-001	P.ROLLER CAM		1
İ	3	VKZ4003-010	FELT		1
	4	VKZ4284-003	WASHER		1_
	5	VKL5333-00C	HEAD LEVER ASY	-	1
	7	REE1500	E.RING		1
	8	VKZ3127-00D	SWITCH	CAM SWITCH	1
	9	Q03093-834	WASHER		2
	10	VKL2174-003	DISK BASE		1
	11	VKR3001-001	GEAR(2)		1
	12	VKR3001-002	GEAR(2)		1
	13	VKR3000-001	GEAR(1)		2
	14	VKR4312-00A	TAKE UP DISK(1)		1
	15	VKZ4003-010	FELT	BACK TENSION	1
]	16	VKR4170-001	RING		1
	17	VKS4131-001	REEL STOPPER		1
	18	VKR4319-00A	TAKE UP DISK(4)		1
	19	VKZ4003-010	FELT	BACK TENSION	1
	20	VKR4170-001	RING		1
	21	VKS4131-001	REEL STOPPER		1
\triangle	22	MMN-6C2RK	DC MOTOR	M5 CAM	1
	23	VKR4326-001	MOTOR GEAR		1
	24	SDSP2606Z	SCREW		1
\triangle	25	MMN-6C2RK	DC MOTOR	M6 REEL	1
	26	VKR3000-003	GEAR(1)		1
	27	VKS4503-00D	ARM		1
	29	SDSP2606Z	SCREW	REEL MOTOR	1
	30	SDST2604Z	SCREW	CAM SW	1
	31	SDST2608Z	SCREW	D.BASE UNIT	1
	33	SDST2605Z	SCREW		6
.	34	VKL3682-001	BRACKET		1
	35	VKS4437-001	THRUST PLATE		2
Δ	36	MMI-6A2HUA	CAPSTAN MOTOR	M 4	1
<u> </u>	37	VKR4317-002	MOTOR PULLEY		1
	38	SSSP2604Z	SCREW	CAPSTAN MOTOR	2
	39	SDST2606Z	SCREW	FM BRACKET	2
	40	SPSP2615Z	SCREW	CAM MOTOR	1
	41	SPSP2613Z	SCREW	REEL MOTOR	1
_	42	VKL3411-00A	TAKE UP IDLER		1
	43	VKW3006-099	TORSION SPRING	TAKE-UP	1
	44	VKS4815-001	TAPE GUIDE		1
	45	SDST2606Z	SCREW		2
	46	SPSP2615Z	SCREW		2
\perp	47	VKS4816-001	TAPE GUIDE		1
	48	VKW3001-170	SPRING		2
	50	VKB3001-017	CAPSTAN BELT		1
	51	VKS3162-003	BRAKE BAR		1
	52	VKW4597-002	TORSION SPRING	BRAKE BAR	1
	53	VKL5316-00E	ARM		1
	55	VKL5318-003	ARM		1
	56	VKL3413-00B	P.R.LEVER ASY		1
	57	VKZ4001-013	WIRE HOLDER		1
	59	SPSH2018M	SCREW		1
	60	VKL3683-002	BASE		1

Mechanism Assembly Parts List (2)

Δ	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	61	VKW4467-003	SPRING		1
	62	SPSM2025M	SCREW		2
	64	VKL3793-00A	BASE		1
	65	VKZ4216-001	STOPPER		1
	66	VGH0425-524	R/P HEAD	H2	1
	67	VKZ4291-002	SCREW		2
	68	T41615-004	STEEL BALL	HEAD BASE	1
	69	VKY4425-002	SPRING PLATE		1
	72	VKP4169-00B	PINCH ROLLER		1
	73	VKW3006-130	SPRING	PINCH ROLLER(R)	1
	74	VKW3006-142	SPRING		1
	76	VKP4171-00B	PINCH ROLLER		1
	77	VKW3006-131	SPRING	PINCH ROLLER(L)	1
	78	VKW3006-060	TORSION SPRING		1
	80	VKL5926-001	LEVER		1 1
	81	VKZ4323-001	SCREW		1
	84	VKY4279-001	PACK SPRING		1
	85	SDST2604Z	SCREW		2
	87	SPI-302	REFLECTOR		1
	88	SDST2606Z	SCREW	REFLECTOR	1
	90	VKF3138-00C	FLY WHEEL		2
	91	VKF4122-00C	METAL BUSHING		2
	92	VKR4180-002	ROLLER	TAKE UP	2
	93	Q03093-622	WASHER	THRUST	2
	94	Q03093-827	WASHER	THRUST	2
	95	VKW3001-010	SPRING	THRUST	2
	96	Q03093-522	WASHER	OIL CUT	2
	98	VKW3001-159	SPRING		1 1
	99	VKZ4340-001	SCREW		1
		DN6838A	I.C.		1

Packing and Packing Parts List



Positions of control switch and knob at renewed packing

COUNTER	000
POWER	■ STAND BY
R. MODE	
NR SYSTEM	OFF
TAPE	NORMAL
INPUT BAL.	CENTER
INPUT LEVEL	MIN
DIRECTION	FWD

Fig. 22

Packing Parts List

 Δ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

Δ	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VPC2171-002	Carton	TD-X501 B	1
		<i>"</i> -003	"	TD-X501 A	1
1		<i>"</i> -004	"	TD-X501 C	1
		″ -005	"	TD-X501 E	1
		″ -006	"	TD-X501 J	1 1
		″ -007	"	TD-X501 U	1
		<i>"</i> -008	"	TD-X501 G	1
	2	VPH3165-002	Cushion		2
	3	VPK4002-006	Sheet	for Set	1 1
	4	VPE3005-025	Poly Bag	"	1
	5	″ -007	"	for Accessories	1 1
	6	Q04141H	Wire Clamp	for Power Cord	1 1
	7	E66416-003	Envelope	TD-X501 J/U	1 1
	8	VPZ4001-001	Serial Ticket		1

Accessories

 Δ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Δ	Parts No.	Parts Name	Remarks	Q'ty
	VMP0039-00A	Pin Cord Ass'y		1
	EWP805-001	Remote Wire		1
	VNN2171-212	Inst. Book	TD-X501 B/E/G	1
	″ -621	"	TD-X501 A/C/J/U	1
	<i>"</i> -411	"	TD-X501 E	1
	VND4113-001	G. Caution	TD-X501 B/J	1



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